

Monitoring Data Record

Project Title: U-2524AB (Site 7 and 17) COE Action ID: 200321137
 Stream Name: UT to Hickory Creek DWQ Number: 030909
 City, County and other Location Information: Greensboro Western Loop, Guilford Co.
 Site 7 (Sta. 11+60 to Sta. 11+67 -40SB REV-) and Site 17 (Sta. 11+00 to Sta. 13+00 -40SB REV-)

Date Construction Completed: Water was turned into the stream on June 2005 and planted in February 2006. Monitoring Year: (3) of 5

Ecoregion: _____ 8 digit HUC unit 03030002

USGS Quad Name and Coordinates: _____

Rosgen Classification: Proposed reach is a B4/5c stream type

Length of Project: 952' Urban or Rural: Urban Watershed Size: _____

Monitoring DATA collected by: M. Green & J. Young Date: 1/16/08

Applicant Information:

Name: NCDOT Roadside Environmental Unit

Address: 1425 Rock Quarry Road Raleigh, NC 27610

Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us

Consultant Information:

Name: _____

Address: _____

Telephone Number: _____ Email address: _____

Project Status: Complete

Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 ~~2~~ ~~3~~

Monitoring Level 1 requires completion of *Section 1, Section 2 and Section 3*

Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required.

Section 1. PHOTO REFERENCE SITES

(Monitoring at all levels must complete this section)

Total number of reference photo locations at this site: 6 photo points, 2 photos at each

Dates reference photos have been taken at this site: 7/26/06, 2/16/07, 7/19/07, 1/16/08

Individual from whom additional photos can be obtained (name, address, phone):

Other Information relative to site photo reference: _____

If required to complete Level 3 monitoring only stop here; otherwise, complete section 2.

Section 2. PLANT SURVIVAL

Attach plan sheet indicating reference photos.

Identify specific problem areas (missing, stressed, damaged or dead plantings):

Estimated causes, and proposed/required remedial action:_____

ADDITIONAL COMMENTS: Vegetation is dormant at this time. Planted hardwood vegetation noted onsite includes: black willow, silky dogwood, and sycamore. Other vegetation onsite included: *Juncus* sp., lespedeza, *Sagittaria* sp., cattail, goldenrod, sweetgum, clover, sedge, fescue, and various grasses.

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

This is Year 3 winter evaluation and the channel is stable throughout the entire onsite stream relocation project.
NCDOT will continue to monitor this stream relocation.

Date Inspected	Station Number	Station Number	Station Number	Station Number	Station Number
Structure Type					
Is water piping through or around structure?					
Head cut or down cut present?					
Bank or scour erosion present?					

UT Hickory Creek

Site 7 and 17



Photo Point #1 (Upstream)



Photo Point #1 (Downstream)



Photo Point #2 (Upstream)



Photo Point #2 (Downstream)



Photo Point #3 (Upstream)



Photo Point #3 (Downstream)

UT Hickory Creek

Site 7 and 17



Photo Point #4 (Upstream)



Photo Point #4 (Downstream)



Photo Point #5 (Upstream)



Photo Point #5 (Downstream)



Photo Point #6 (Upstream)



Photo Point #6 (Downstream)